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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,067	01/20/2004	Cynthia Florkey	8-2-9-16-2	1997

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Docket Administrator (Room 3J-219)
Lucent Technologies Inc.
101 Crawfords Corner Road
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EXAMINER

GELIN, JEAN ALLAND

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 03/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/761,067

Applicant(s)

FLORKEY ET AL.

Examiner

Jean A. Gelin

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 January 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 5-9 and 11 is/are allowed.
- 6) ☒ Claim(s) 1-4, 10 and 12-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. This is in response to the Applicant's arguments and amendments filed on January 24, 2006, in which claims 1, 4-6, 10, 17, and 19 have been amended. Claims 1-20 are currently pending.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-3, 11, 14-18, and 20 are rejected under 35 U.S.C. 102(e) as being anticipated by Ham et al. (US 6,633,760).

Regarding claims 1, 10, Ham teaches in a wireless communication system wherein a call is established between a mobile unit and one or more participating units, and wherein a service interruption is detected to the mobile unit during the call, yielding a suspended call session (i.e., reconnecting a communication link by a service impediment, col. 2, lines 4-23), a method comprising: monitoring for a reconnect message issued from the mobile unit, defining a mobile-originated reconnect (MORC) message, the MORC message defining a request for reconnection to the suspended call session exclusive of a call origination (col. 6, line 30 to col. 8, line 9); and if a MORC

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message is received before expiration of a waiting period, reconnecting the mobile unit to the suspended call, yielding a connected call (corresponding to if the MS fails to receive response for call reconnection request for a predetermined time, it releases the call, i.e., MS should receive response before the predetermined time is expired, col. 6, lines 45-65).

Regarding claim 2, Ham teaches performed by a mobile switching center (MSC) serving the mobile unit when the service interruption is detected (col. 6, lines 52-67).

Regarding claim 3, Ham teaches further comprising ending the call if a MORC message is not received before expiration of the waiting period (col. 6, lines 6-67).

Regarding claim 11, Ham teaches wherein the step of issuing a MORC message is accomplished automatically responsive to detecting the service interruption (col..

Regarding claim 14, Ham teaches wherein the step of issuing a MORC message includes sending a message including a session identifier associated with the suspended call (col. 6, lines 6-67).

Regarding claim 15, Hams teaches wherein the step of issuing a MORC message includes sending a message including a mobile unit identifier associated with the mobile unit (col. 5, lines 20-41, col. 6, lines 6-67, and col. 7, lines 6-52).

Regarding claim 16, Ham teaches wherein the step of issuing a MORC message includes sending the MORC message to a serving mobile switching center (col. 6, lines 30-67).

Regarding claim 17, Ham teaches method comprising a mobile unit, responsive to detecting a service interruption in a call (col. 2, lines 4-21), performing steps of:

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prompting a user of the mobile unit to select a reconnection (col. 6, line 30 to col. 8, line 60); detecting user selection of a reconnection, defining a user-selected option (col. 7, lines 27-36); and sending a message informing a serving mobile switching center (MSC) of the reconnection (col. 7, lines 6-60).

Regarding claim 18, Ham teaches wherein the step of detecting a user-selected option comprises detecting user selection of a mobile-originated reconnect (MORC) option, the step of sending a message comprising sending a mobile-originated reconnect (MORC) message to the serving MSC (col. 6, line 6 to col. 8, line 60).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 4 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ham et al. (US 6,633,760) in view of Awasthi et al. (US 2005/0070286).

Regarding claims 4 and 19, Ham teaches all the limitations above except monitoring for a message issued from the mobile unit declining a reconnect attempt, defining a reconnect decline message; and ending the call if a reconnect decline message is received before expiration of the waiting period.

However, the preceding limitations are known in the art of communications. Awasthi teaches sending a code recognized by the system to terminate reconnect

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attempts before the predetermined time to reconnect is expired (section 23). Therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention, to implement the technique of Awasthi within the system Ham in order that in the situation where one or more reconnect attempts are made unsuccessful, the calling party can terminate the attempt at reconnecting, and has access to the call party's voice mail.

6. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ham et al. (US 6,633,760) in view of Moriguchi et al. (US 2004/0203918).

Regarding claim 13, Brooks teaches all the limitations above except the mobile unit: displaying reconnect options to a user, the reconnect options including a mobile-originated reconnect (MORC) option; and monitoring for user selection of the MORC option, the step of issuing a MORC message being accomplished responsive to detecting user selection of the MORC option.

However, the preceding limitations are known in the art of communications. Moriguchi teaches that the control of the portable unit obtains the reconnection reporting data and displays the time to perform reconnection such as it is possible to reconnect the line after 1 minute (sections 182 and 186). Therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention, to implement the technique of Moriguchi within the system of Ham in order to display the time to reconnect the wireless unit after disconnection and output the above announcement by superimposing it on the user's voice of the portable telephone.

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7. Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ham et al. (US 6,633,760) in view of Brooks et al. (US 2002/0090947).

Regarding claim 20, Ham does not specifically teach sending a signal to the user informing the user of the service interruption, the signal comprising an audio alarm.

However, the preceding limitation is known in the art of communications. Brooks teaches an audio indicator that may be played to the user indicating that service was interrupted (section 7). Therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention, to implement the technique of Brooks within the system of Ham in order to notify the user that the call is dropped, allowing user to take quick decision regarding the dropped call.

Allowable Subject Matter

8. Claims 5-9 and 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

9. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Hidrissi	US 6,990,349	01/24/2006
Smith et al.	US 6,721,572	04/13/2004
Lee et al.	US 6,246,872	06/12/2001
Cheng et al.	US 6,810,263	10/26/2004

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean A. Gelin whose telephone number is (571) 272-7842. The examiner can normally be reached on 9:30 AM to 7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Banks-Harold Marsha can be reached on (571) 272-7905. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JGelin
March 28, 2006

JEAN GELIN
PRIMARY EXAMINER

A handwritten signature in black ink, appearing to read "Jean Allard Gelin", written over the printed name and title.